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PTO/SB/21 (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	<b>Application Number</b>	10/606,466
	<b>Filing Date</b>	Jun 26, 2003
	<b>First Named Inventor</b>	Barde
	<b>Group Art Unit</b>	2614
	<b>Examiner Name</b>	
<b>Total Number of Pages in This Submission</b>		<b>Attorney Docket Number</b> MS1-1543US

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) Sheets <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): PTO-1449; reference copies (53); return receipt postcard
<b>Remarks</b>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Nathan R. Rieth, Reg. No. 44,302
Signature	<i>Nathan R. Rieth</i>
Date	5/13/04

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: _____			
Typed or printed name	Julie Gehlen		
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PTO/SB/17 (10-03)

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ ) 0.00

## Complete if Known

Application Number	10/606,466
Filing Date	Jun 26, 2003
First Named Inventor	Barde
Examiner Name	
Art Unit	2614
Attorney Docket No.	MS1-1543US

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number	12-0769
Deposit Account Name	Lee & Hayes, PLLC

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$ ) 0.00

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims		-20** =		X		=	0
Independent Claims		-3** =		X		=	0
Multiple Dependent						=	

<u>Large Entity</u>		<u>Small Entity</u>		<u>Fee Description</u>
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	
Other fee (specify)			
*Reduced by Basic Filing Fee Paid			
SUBTOTAL (3)			(\$ ) 0.00

SUBMITTED BY		(Complete if applicable)	
Name (Print/Type)	Nathan R. Rieth	Registration No. (Attorney/Agent)	44,302
Signature	<i>Nathan R. Rieth</i>	Telephone	(509) 324-9256
		Date	5/13/04

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No. .... 10/606,466  
Filing Date ..... Jun 26, 2003  
Confirmation No. .... 3501  
Inventorship ..... Barde  
Applicant ..... Microsoft Corporation  
Group Art Unit ..... 2614  
Examiner .....  
Attorney's Docket No. .... MS1-1543US  
Title: Quick Starting Video Content

**INFORMATION DISCLOSURE STATEMENT**

*References -- See Attached Form PTO-1449*

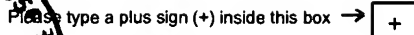
**REMARKS**

The citations listed, copies attached, are submitted in compliance with the duty of disclosure defined in 37 CFR §1.56. The Examiner is requested to make these citations of official record in this application.

Respectfully Submitted,

Date: 5/12/04

By: Nathan R. Rieth  
Nathan R. Rieth  
Reg. No. 44,302



## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet

1

of

5

<b>Application Number</b>	10/606,466
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10/606,466

<b>Filing Date</b>	Jun 26, 2003
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Jun 26, 2003

First Named Inventor	Barde
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Barde

Group Art Unit	2614
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2614

Examiner Name

Attorney Docket Number	MS1-1543US
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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code² (if known)			
		2002/0048448		Daniels	04-25-2002	
		6,327,421		Tiwari et al.	12-04-2001	
		6,014,706		Cannon et al.	01-11-2000	
		6,314,492		Allen et al.	11-06-2001	
		5,787,472		Dan et al.	07-28-1998	
		5,995,705		Lang	11-30-1999	
		5,978,567		Rebane et al.	11-02-1999	
		5,963,202		Polish	10-05-1999	
		5,710,970		Walters et al.	01-20-1998	
		5,440,334		Walters et al.	08-08-1995	
		5,262,875		Mincer et al.	11-16-1993	
		5,164,839		Lang	11-17-1992	
		5,057,932		Lang	10-15-1991	
		4,963,995		Lang	10-16-1990	
		5,835,495		Ferriere	11-10-1998	
		6,292,834		Ravi	09-18-2001	
		6,502,135		Munger et al.	12-31-2002	
		6,054,943		Lawrence	04-25-2000	
		2004/0003101		Roth et al.	01-01-2004	
		2003/0236912		Klemets et al.	12-25-2003	

[illegible]

Examiner  
Signature

Date  
Considered

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/606,466
				Filing Date	Jun 26, 2003
				First Named Inventor	Barde
				Group Art Unit	2614
				Examiner Name	
Sheet	2	of	5	Attorney Docket Number	MS1-1543US

[illegible][illegible]

Examiner Signature		Date Considered	
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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Sheet		3	of		5
		Application Number		10/606,466	
		Filing Date		Jun 26, 2003	
		First Named Inventor		Barde	
		Group Art Unit		2614	
		Examiner Name			
		Attorney Docket Number		MS1-1543US	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		PAKNIKAR, Shantanu, et al. "A Caching and Streaming Framework for Multimedia," ACM Multimedia 2000, Los Angeles, CA; pp. 13-20.	
		GUO, Katherine, et al. "RCache: Design and Analysis of Scalable, Fault Tolerant Multimedia Stream Caching Schemes," Scalability and Traffic Control in IP Networks, Proceedings of SPIE Vol. 4526, (2001); pp. 68-86.	
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		LIEFOOGHE, P., et al., "An Architecture for Seamless Access to Multicast Content," Proceedings of the 26th Annual IEEE Conference on Local Computer Networks, November 8, 2000, pp. 488-494.	
		BRAUN, T., et al., "Multicast for Small Conferences," Proceedings of the Sixth IEEE Symposium on Computers and Communications, July 3, 2001, pp. 145-150.	
		FLEISCHMAN, E., "WAVE and AVI Codec Registries," Network Working Group Request for Comments: 2361, The Internet Society, June 1998, pp. 1-71.	
		CAMARILLO, G., et al., "Grouping of Media Lines in the Session Description Protocol (SDP)," Network Working Group Request for Comments: 3388, The Internet Society, December 2002, pp. 1-21.	
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		"Advanced Systems Format (ASF) Specification," Revision 01.20.01e, Microsoft Corp., September 2003, pp. i-vi and 1-93.	
		SCHULZRINNE, H., et al., "RTP: A Transport Protocol for Real-Time Applications," Network Working Group Request for Comments: 3550, July 2003, pp. 1-104.	
		MUUSS, M., "The Story of the PING Program," October 18, 1999, retrieved on 4/6/04 from the Internet Archive at < <a href="http://web.archive.org/web/19991018225218/ftp.arl.mil/~mike/ping.htm">http://web.archive.org/web/19991018225218/ftp.arl.mil/~mike/ping.htm</a> >, 3 pages.	

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Sheet		4	of		5
		Application Number		10/606,466	
		Filing Date		Jun 26, 2003	
		First Named Inventor		Barde	
		Group Art Unit		2614	
		Examiner Name			
		Attorney Docket Number		MS1-1543US	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		MUUSS, M., "The Research Interests of Mike Muuss," October 8, 1999, retrieved on 4/6/04 from the Internet Archive at < <a href="http://web.archive.org/web/19991008020453/ftp.arl.mil/~mike/">http://web.archive.org/web/19991008020453/ftp.arl.mil/~mike/</a> >, 2 pages.	
		LAI, K., et al., "Measuring Bandwidth," INFOCOM '99; Eighteenth Annual Joint Conference of the IEEE Computer and Communications Societies Proceedings; IEEE New York, NY, USA, 21 March 1999, pp. 235-245.	
		MINSHALL, G., et al., "Application performance pitfalls and TCP's Nagle algorithm"; vol. 27, no. 4, March 2000, pp. 36-44.	
		HAYES, D. A., et al., "Impact of Flow Control on quality of service driven packet scheduling disciplines," Proceedings of the 1999 IEEE International Conference on Control Applications, Kohala Coast, HI, 22 August 1999; pp. 1454-1459.	
		NISHIDA, Y., et al., "Congestion Control Mechanism for TCP with Packet Pair Scheme," IEICE Transactions on Information and Systems, Institute of Electronics Information and Comm. Egn. Tokyo, JP, vol. E82-D, no. 4, April 1999, pp. 854-862.	
		KHALIL, K. M., et al., "Performance Considerations for TCP/IP in Wide Area Networks," IEEE 1994, pp. 166-175.	
		MOLDEKLEV, K., et al., "How a Large ATM MTU Causes Deadlocks in TCP Data Transfers," IEEE/ACM Transactions on Networking, Vol. 3, No. 4, August 1995, pp. 409-422.	
		SHANNON, C.E., "A Mathematical Theory of Communication," reprinted with corrections from The Bell System Technical Journal, Vol. 27, pp. 379-423, 623-656, July, October, 1948, (pages renumbered as 1-55).	
		"TAPI 3.0 Connection and Media Services", Microsoft Windows 2000 Server, Copyright 1999, pp. 1-23.	
		FIELDING R. et al, "Hypertext Transfer Protocol -- HTTP/1.1," Network Working Group Request for Comments: 2616; The Internet Society (June 1999); Category: Standards Track. pp. 1-176.	
		SCHULZRINNE, H., et al, "Real Time Streaming Protocol (RTSP)," Network Working Group Request for Comments: 2326; The Internet Society (April 1998). pp. 1-92.	

Examiner Signature	Date Considered
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				<b>Application Number</b>	10/606,466
				<b>Filing Date</b>	Jun 26, 2003
				<b>First Named Inventor</b>	Barde
				<b>Group Art Unit</b>	2614
				<b>Examiner Name</b>	
<b>Sheet</b>	5	<b>of</b>	5	<b>Attorney Docket Number</b>	MS1-1543US

<b>NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		JIN, S., et al. "Accelerating Internet Streaming Media Delivery using Network-Aware Partial Caching," 2002 IEEE, pp. 153-160.	

<b>Examiner Signature</b>		<b>Date Considered</b>	
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